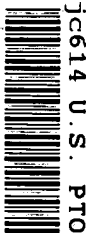


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jc614 U.S. PTO

ATTORNEY DOCKET NO. 14014.0312

A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BOX PATENT APPLICATION
 Assistant Commissioner for Patents
 Washington, D.C. 20231

NEEDLE & ROSENBERG, P.C.
 Suite 1200, The Candler Building
 127 Peachtree Street, N.E.
 Atlanta, Georgia 30303-1811

November 20, 1998

 JC511 U.S. PTO
 09/196867


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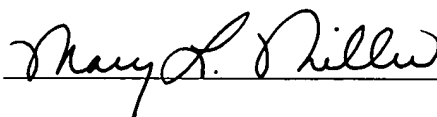
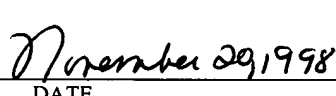
Dear Sir:

Transmitted herewith for filing are the specification and claims of the patent application of:

Inventor(s): BRIAN KELSALL, WARREN STROBER, IVAN FUSS and THOMAS MARTH

Title of Invention: METHODS OF USING CR3 AND CR4 LIGANDS FOR INHIBITING INTERLEUKIN-12 TO TREAT AUTOIMMUNE DISEASE

Also enclosed are:

	SHEETS OF	<input type="checkbox"/> FORMAL DRAWINGS	<input type="checkbox"/> INFORMAL DRAWINGS
	OATH OR DECLARATION OF APPLICANT(S)		
	A POWER OF ATTORNEY		
	A PRELIMINARY AMENDMENT		
	A VERIFIED STATEMENT TO ESTABLISH SMALL ENTITY STATUS UNDER 37 C.F.R. §1.9 AND §1.27		
	A CHECK IN THE AMOUNT OF TO COVER THE FILING FEE.		
	THE COMMISSIONER IS HEREBY AUTHORIZED TO CHARGE ANY ADDITIONAL FEES WHICH MAY BE REQUIRED IN CONNECTION WITH THE FOLLOWING OR CREDIT ANY OVERPAYMENT TO ACCOUNT NO.		
	A CERTIFIED COPY OF PREVIOUSLY FILED FOREIGN APPLICATION NO. FILED IN ON .		
X	I hereby certify that this correspondence is being placed in the United States Mail as Express Mail No. EL211203234us on November 20, 1998.  DATE 		
	A computer readable form of the sequence listing in compliance with 37 C.F.R. § 1.821(e). The content of the computer readable form of the sequence listing and the sequence listing in the specification of the application as filed are the same.		
	OTHER (IDENTIFY)		

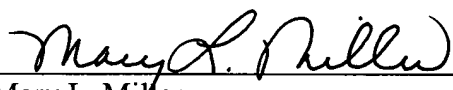
The filing fee is calculated as follows:

09196867-1112098

CLAIMS AS FILED, LESS ANY CLAIMS CANCELLED BY AMENDMENT

TOTAL CLAIMS = 29 - 20 = 9 x \$18.00 =	\$162.00
INDEPENDENT CLAIMS = 8 - 3 = 5 x \$78.00 =	390.00
MULTIDEPENDENT CLAIMS x \$260.00	260.00
BASIC FEE =	760.00
TOTAL OF ABOVE CALCULATIONS =	\$1,572.00
REDUCTION BY 1/2 FOR SMALL ENTITY =	
TOTAL FILING FEE =	\$1,572.00

Respectfully submitted,



Mary L. Miller
Registration No. 39,303

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